

**SYSTEMS AND METHODS FOR IMPLEMENTING MODULAR
DOM (Document Object Model)-BASED MULTI-MODAL BROWSERS**

ABSTRACT OF THE DISCLOSURE

Systems and methods for building multi-modal browsers applications and, in
5 particular, to systems and methods for building modular multi-modal browsers using a
DOM (Document Object Model) and MVC (Model-View-Controller) framework that
enables a user to interact in parallel with the same information via a multiplicity of
channels, devices, and/or user interfaces, while presenting a unified, synchronized view
of such information across the various channels, devices and/or user interfaces supported
10 by the multi-modal browser. The use of a DOM framework (or specifications similar to
DOM) allows existing browsers to be extended without modification of the underling
browser code. A multi-modal browser framework is modular and flexible to allow
various fat client and thin (distributed) client approaches.